

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051623\
 Data File : BM039937.D
 Acq On : 16 May 2023 16:49
 Operator : CG/JU
 Sample : SSTD1.662
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD1.6040

Quant Time: May 17 01:34:51 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM051623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 16 18:02:26 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

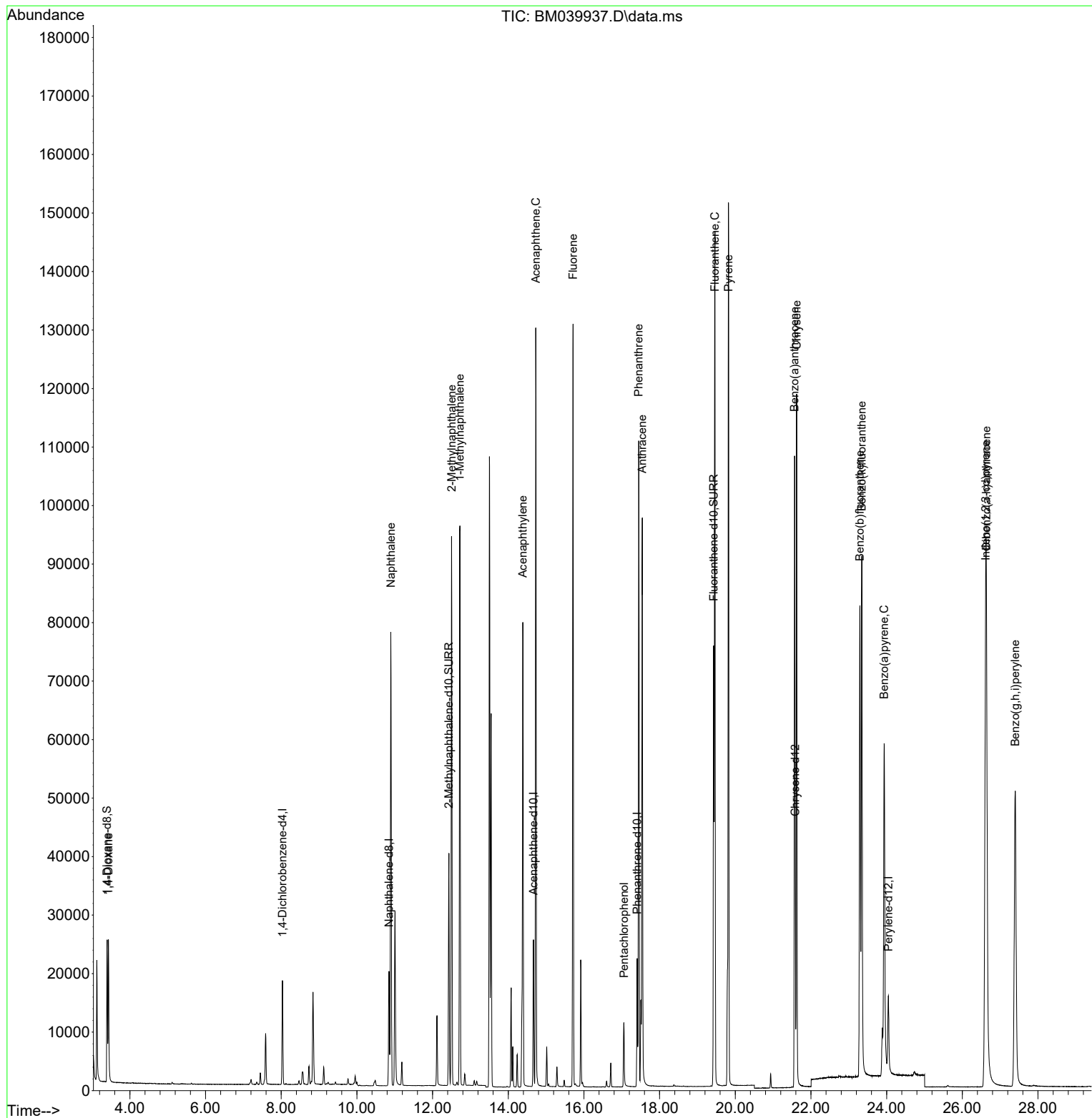
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.036	152	8517	0.400	ng/ul	0.00
4) Naphthalene-d8	10.848	136	26084	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.668	164	13120	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.407	188	24436	0.400	ng/ul	0.00
17) Chrysene-d12	21.585	240	19160	0.400	ng/ul	0.00
23) Perylene-d12	24.046	264	18518	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.399	96	16006	1.501	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.432	152	47277	1.532	ng/ul	0.00
18) Fluoranthene-d10	19.429	212	74242	1.420	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.433	88	17082	1.510	ng/ul	92
5) Naphthalene	10.897	128	101657	1.504	ng/ul	100
7) 2-Methylnaphthalene	12.503	142	61156	1.556	ng/ul	100
8) 1-Methylnaphthalene	12.723	142	63645	1.545	ng/ul	99
10) Acenaphthylene	14.386	152	85821	1.585	ng/ul	99
11) Acenaphthene	14.728	153	68933	1.538	ng/ul	100
12) Fluorene	15.713	166	76826	1.611	ng/ul	100
14) Pentachlorophenol	17.056	266	7851	1.890	ng/ul	99
15) Phenanthrene	17.449	178	110330	1.550	ng/ul	99
16) Anthracene	17.542	178	101917	1.754	ng/ul	99
19) Fluoranthene	19.462	202	116581	1.479	ng/ul	100
20) Pyrene	19.819	202	117928	1.511	ng/ul	99
21) Benzo(a)anthracene	21.567	228	92313	1.594	ng/ul	100
22) Chrysene	21.623	228	102230	1.475	ng/ul	99
24) Benzo(b)fluoranthene	23.295	252	105552	1.600	ng/ul	96
25) Benzo(k)fluoranthene	23.344	252	119419	1.643	ng/ul	96
26) Benzo(a)pyrene	23.935	252	93132	1.682	ng/ul#	93
27) Indeno(1,2,3-cd)pyrene	26.615	276	136261	1.717	ng/ul	100
28) Dibenzo(a,h)anthracene	26.638	278	113098	1.769	ng/ul	96
29) Benzo(g,h,i)perylene	27.400	276	115400	1.639	ng/ul	98

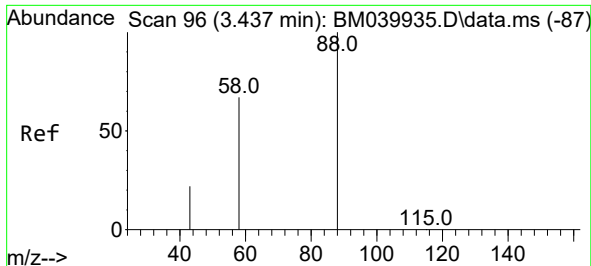
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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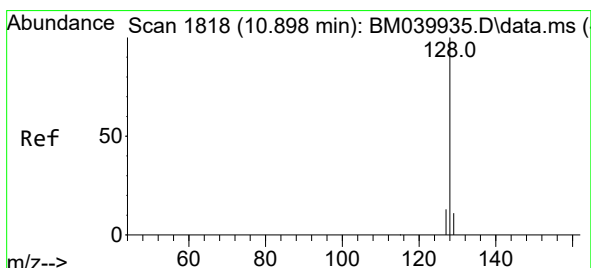
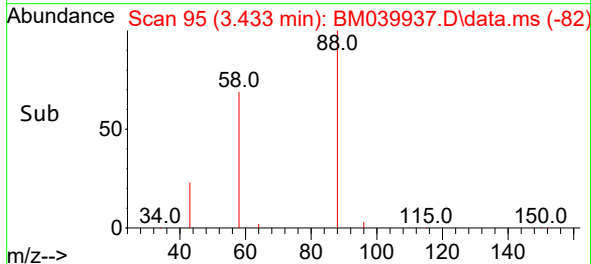
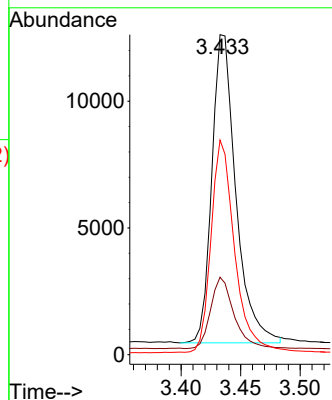
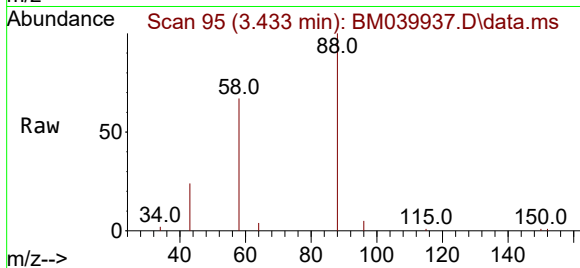




#2
1,4-Dioxane
Concen: 1.510 ng/ul
RT: 3.433 min Scan# 91
Delta R.T. -0.004 min
Lab File: BM039937.D
Acq: 16 May 2023 16:49

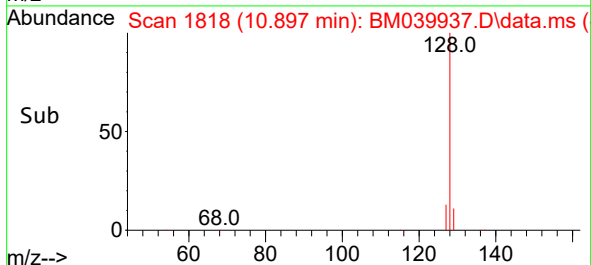
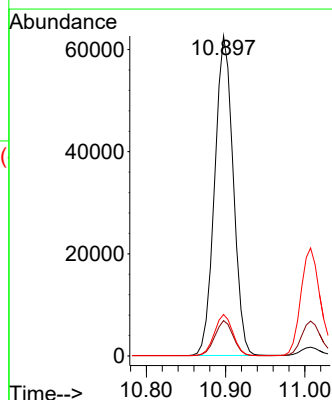
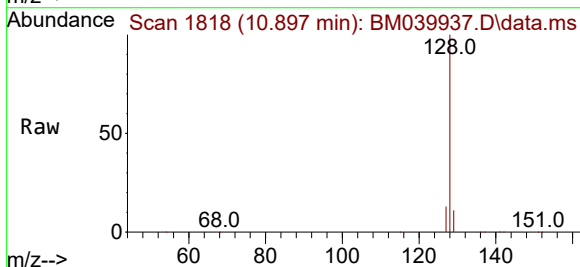
Instrument :
BNA_M
ClientSampleId :
SSTD1.6040

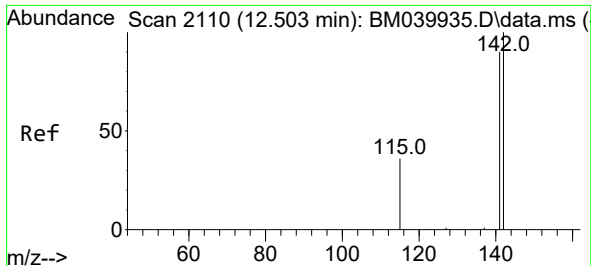
Tgt Ion: 88 Resp: 17082
Ion Ratio Lower Upper
88 100
43 24.2 20.1 30.1
58 67.1 47.4 71.2



#5
Naphthalene
Concen: 1.504 ng/ul
RT: 10.897 min Scan# 1818
Delta R.T. -0.000 min
Lab File: BM039937.D
Acq: 16 May 2023 16:49

Tgt Ion: 128 Resp: 101657
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.4
127 12.9 10.5 15.7

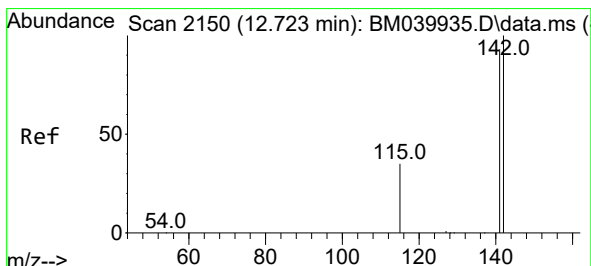
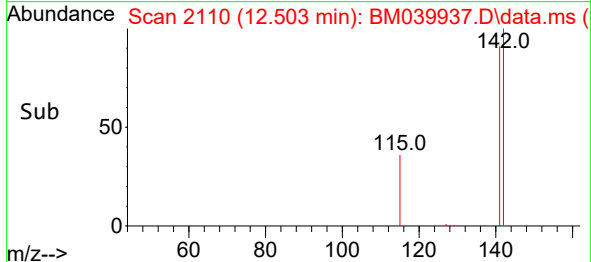
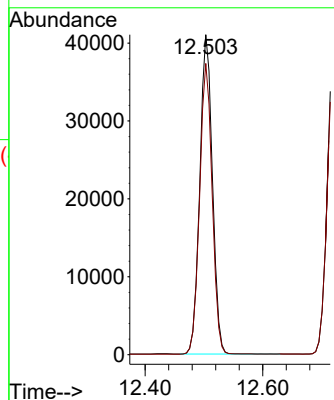
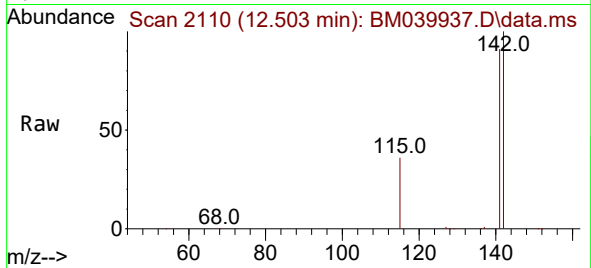




#7
2-Methylnaphthalene
Concen: 1.556 ng/ul
RT: 12.503 min Scan# 2110
Delta R.T. -0.000 min
Lab File: BM039937.D
Acq: 16 May 2023 16:49

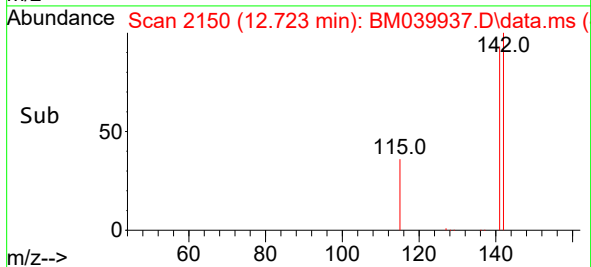
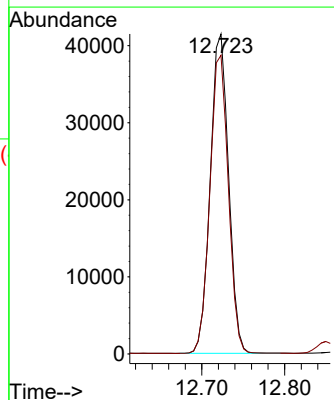
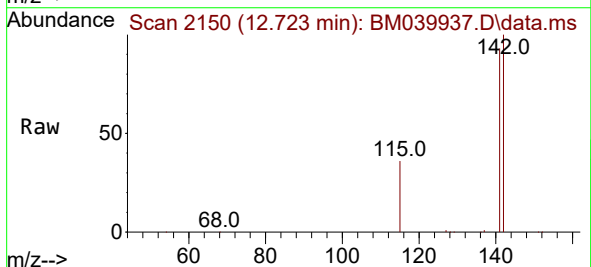
Instrument :
BNA_M
ClientSampleId :
SSTD1.6040

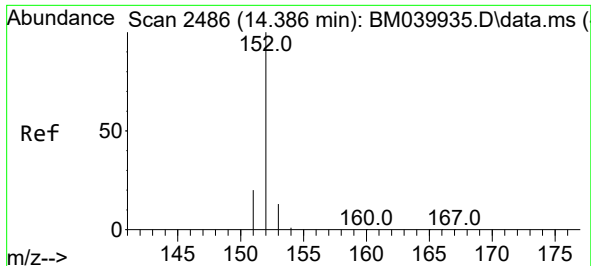
Tgt Ion:142 Resp: 61156
Ion Ratio Lower Upper
142 100
141 90.6 72.7 109.1



#8
1-Methylnaphthalene
Concen: 1.545 ng/ul
RT: 12.723 min Scan# 2150
Delta R.T. -0.000 min
Lab File: BM039937.D
Acq: 16 May 2023 16:49

Tgt Ion:142 Resp: 63645
Ion Ratio Lower Upper
142 100
141 94.2 74.6 112.0

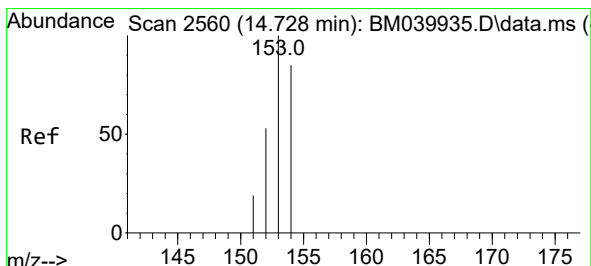
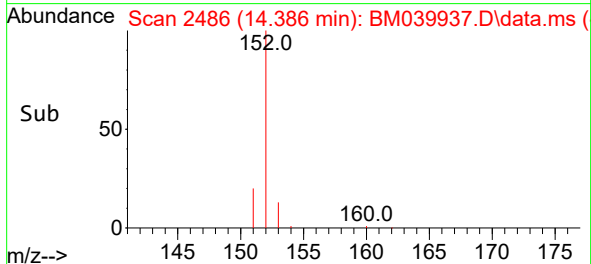
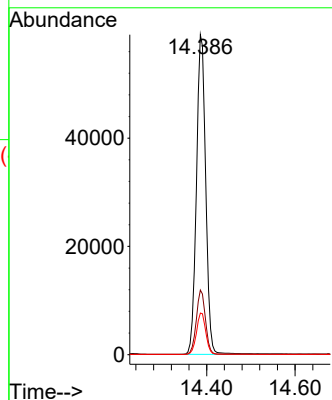
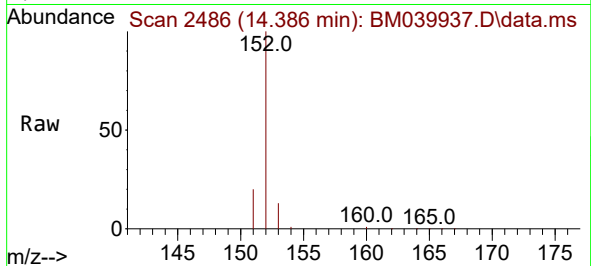




#10
Acenaphthylene
Concen: 1.585 ng/ul
RT: 14.386 min Scan# 2486
Delta R.T. -0.000 min
Lab File: BM039937.D
Acq: 16 May 2023 16:49

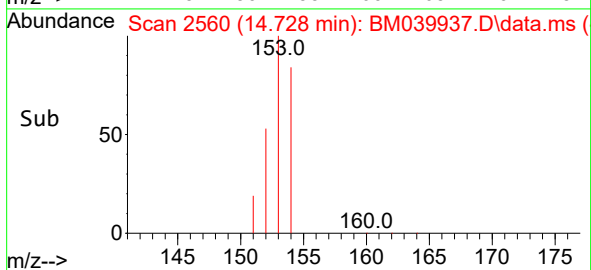
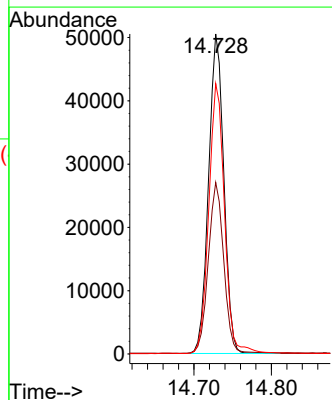
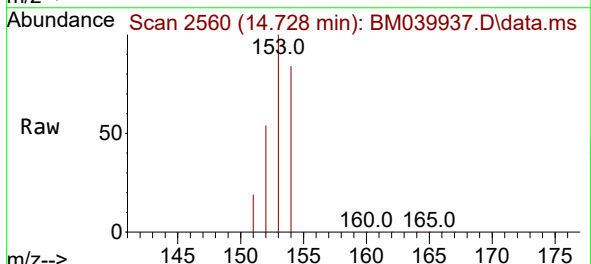
Instrument :
BNA_M
ClientSampleId :
SSTD1.6040

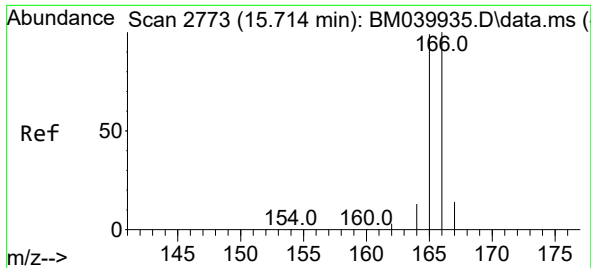
Tgt Ion:152 Resp: 85821
Ion Ratio Lower Upper
152 100
151 20.2 16.4 24.6
153 13.0 10.9 16.3



#11
Acenaphthene
Concen: 1.538 ng/ul
RT: 14.728 min Scan# 2560
Delta R.T. -0.000 min
Lab File: BM039937.D
Acq: 16 May 2023 16:49

Tgt Ion:153 Resp: 68933
Ion Ratio Lower Upper
153 100
152 53.6 43.1 64.7
154 84.5 67.8 101.6

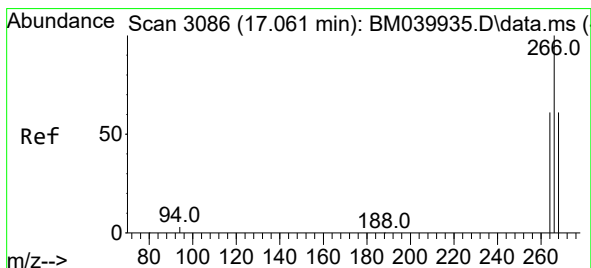
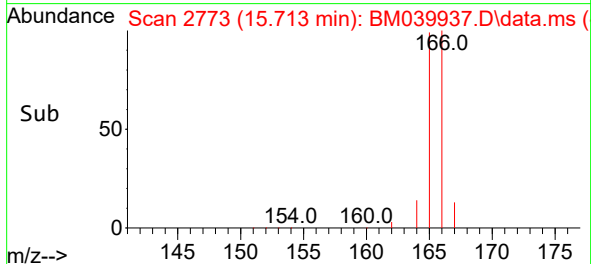
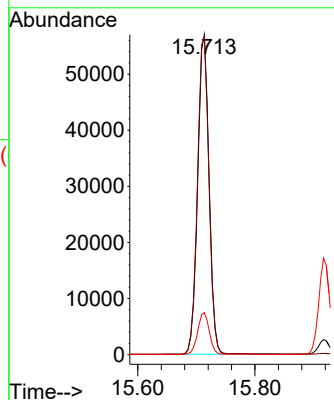
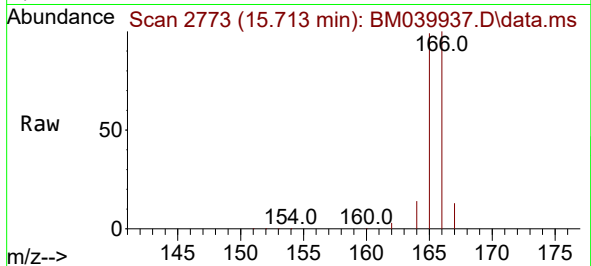




#12
Fluorene
Concen: 1.611 ng/ul
RT: 15.713 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM039937.D
Acq: 16 May 2023 16:49

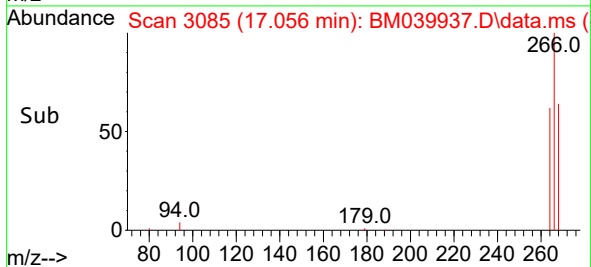
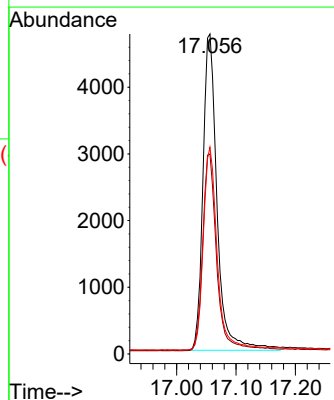
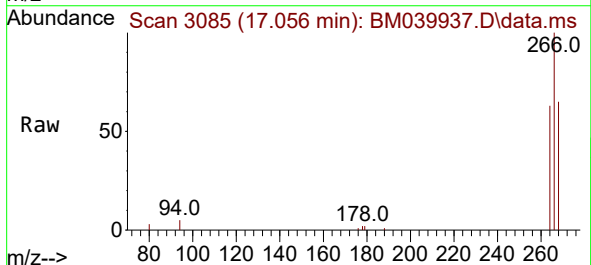
Instrument :
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ClientSampleId :
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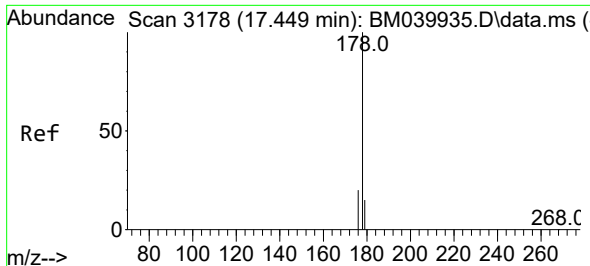
Tgt Ion:166 Resp: 76826
Ion Ratio Lower Upper
166 100
165 99.2 79.3 118.9
167 13.2 11.3 16.9



#14
Pentachlorophenol
Concen: 1.890 ng/ul
RT: 17.056 min Scan# 3085
Delta R.T. -0.004 min
Lab File: BM039937.D
Acq: 16 May 2023 16:49

Tgt Ion:266 Resp: 7851
Ion Ratio Lower Upper
266 100
264 62.1 48.9 73.3
268 64.1 51.5 77.3

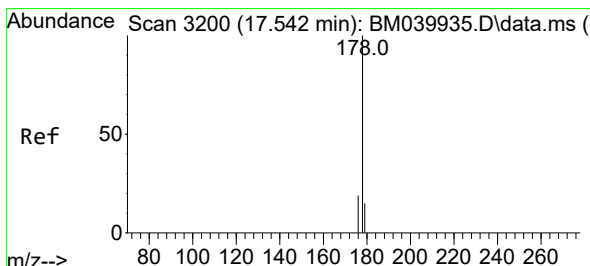
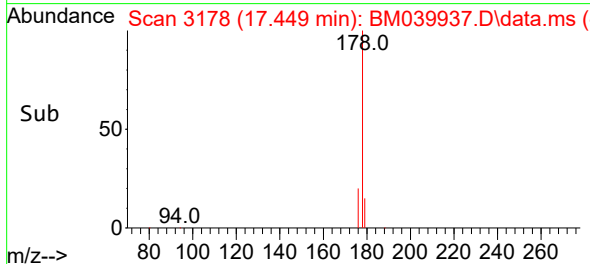
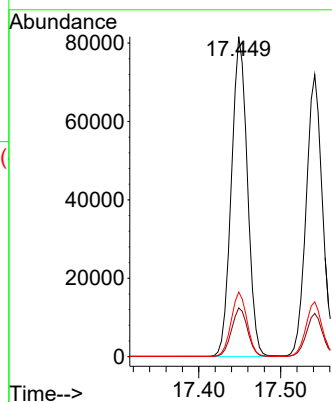
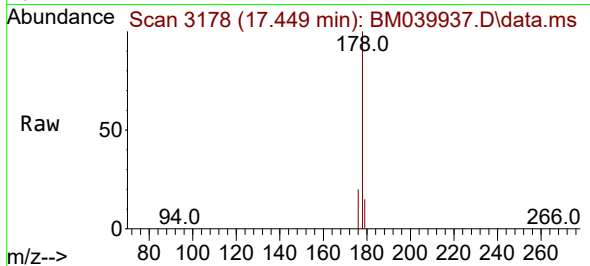




#15
Phenanthrene
Concen: 1.550 ng/ul
RT: 17.449 min Scan# 3178
Delta R.T. -0.000 min
Lab File: BM039937.D
Acq: 16 May 2023 16:49

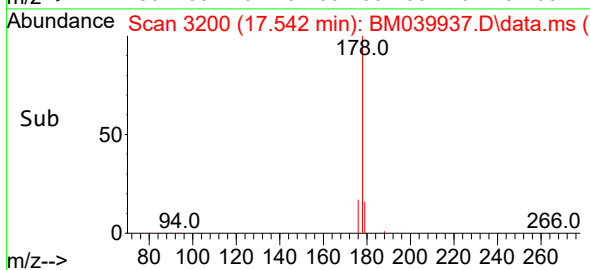
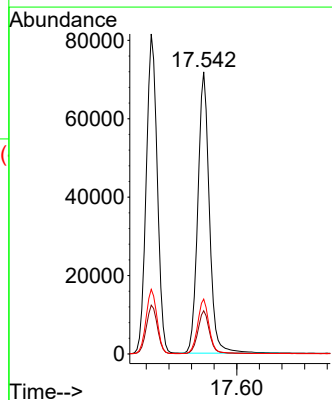
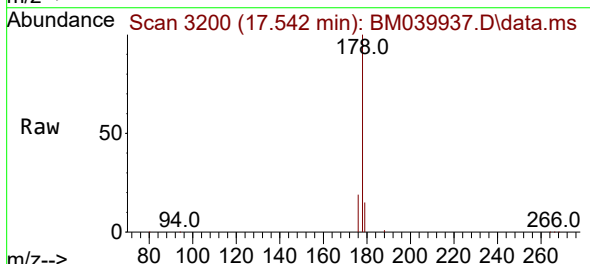
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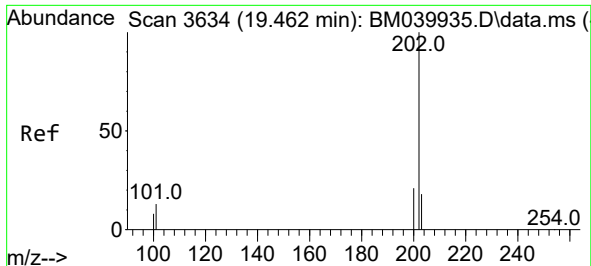
Tgt Ion:178 Resp: 110330
Ion Ratio Lower Upper
178 100
179 15.2 12.4 18.6
176 20.2 16.3 24.5



#16
Anthracene
Concen: 1.754 ng/ul
RT: 17.542 min Scan# 3200
Delta R.T. -0.000 min
Lab File: BM039937.D
Acq: 16 May 2023 16:49

Tgt Ion:178 Resp: 101917
Ion Ratio Lower Upper
178 100
179 15.3 12.6 19.0
176 19.4 15.4 23.2

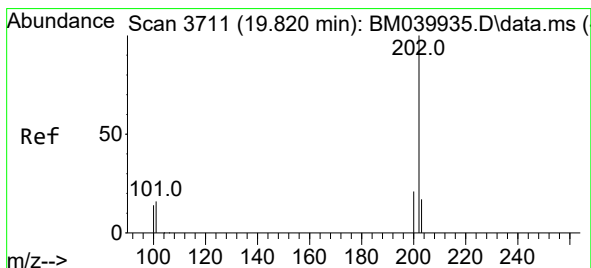
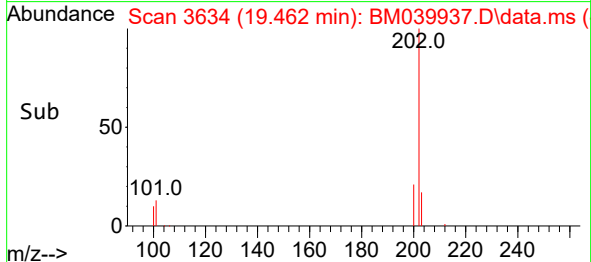
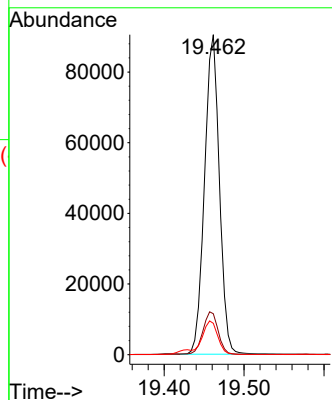
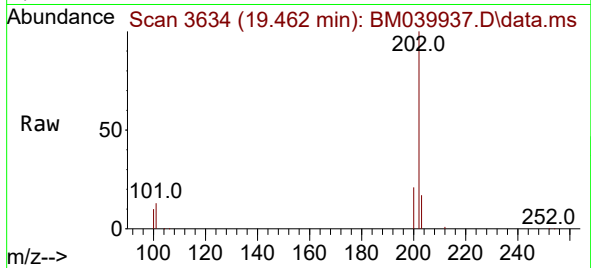




#19
Fluoranthene
Concen: 1.479 ng/ul
RT: 19.462 min Scan# 3634
Delta R.T. -0.000 min
Lab File: BM039937.D
Acq: 16 May 2023 16:49

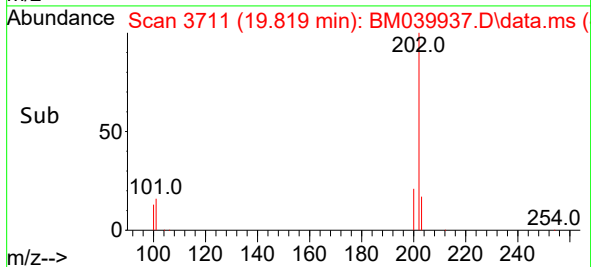
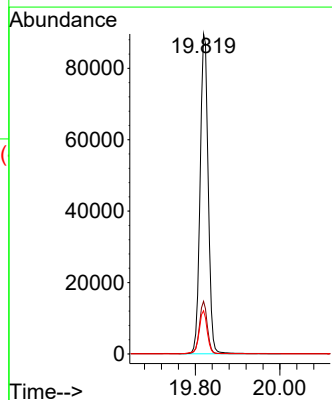
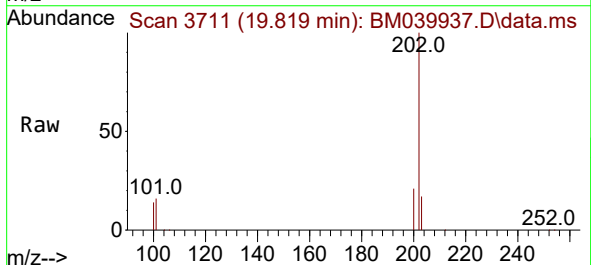
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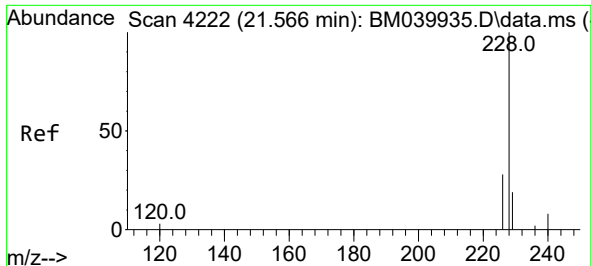
Tgt Ion:202 Resp: 116581
Ion Ratio Lower Upper
202 100
101 12.8 10.4 15.6
100 9.8 7.8 11.6



#20
Pyrene
Concen: 1.511 ng/ul
RT: 19.819 min Scan# 3711
Delta R.T. -0.000 min
Lab File: BM039937.D
Acq: 16 May 2023 16:49

Tgt Ion:202 Resp: 117928
Ion Ratio Lower Upper
202 100
101 16.5 13.4 20.0
100 13.5 11.0 16.6

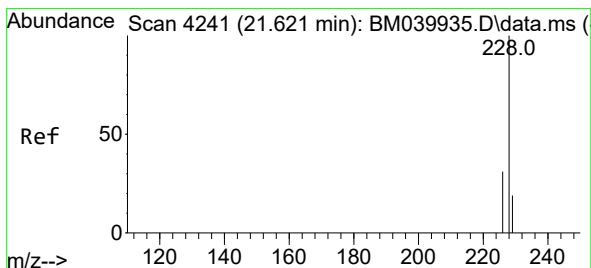
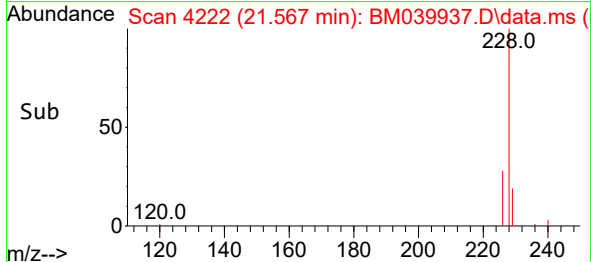
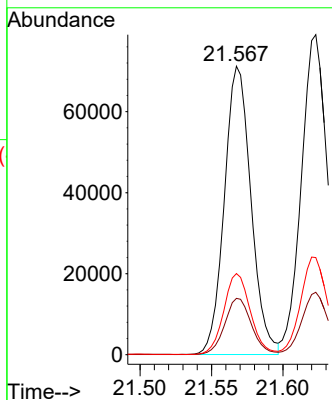
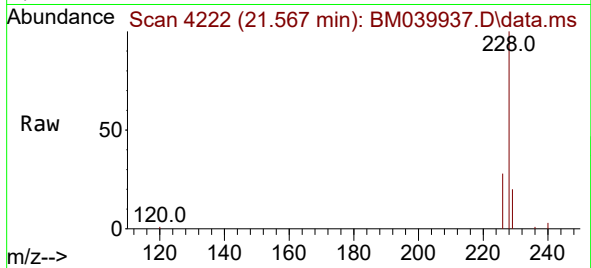




#21
Benzo(a)anthracene
Concen: 1.594 ng/ul
RT: 21.567 min Scan# 4222
Delta R.T. 0.002 min
Lab File: BM039937.D
Acq: 16 May 2023 16:49

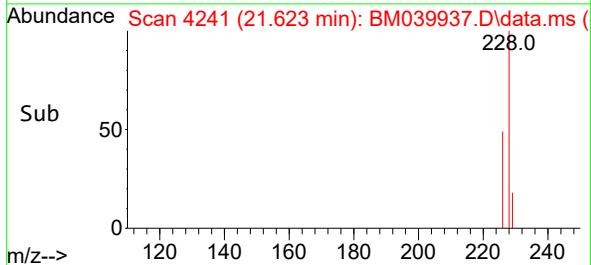
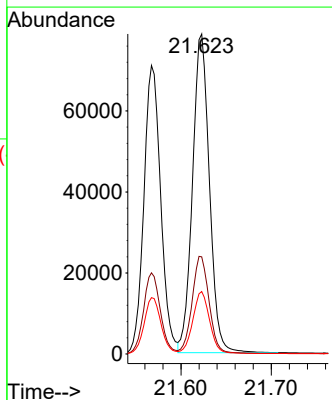
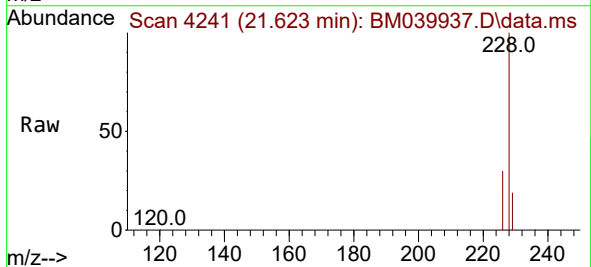
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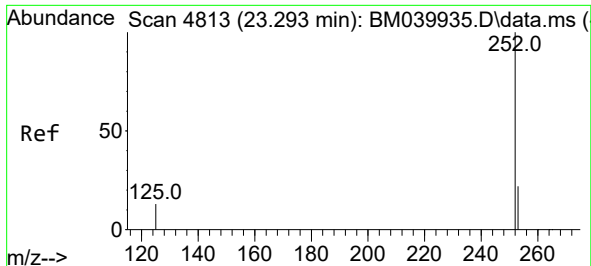
Tgt Ion:228 Resp: 92313
Ion Ratio Lower Upper
228 100
229 19.5 15.7 23.5
226 28.1 22.3 33.5



#22
Chrysene
Concen: 1.475 ng/ul
RT: 21.623 min Scan# 4241
Delta R.T. 0.002 min
Lab File: BM039937.D
Acq: 16 May 2023 16:49

Tgt Ion:228 Resp: 102230
Ion Ratio Lower Upper
228 100
226 30.4 24.7 37.1
229 19.5 15.6 23.4

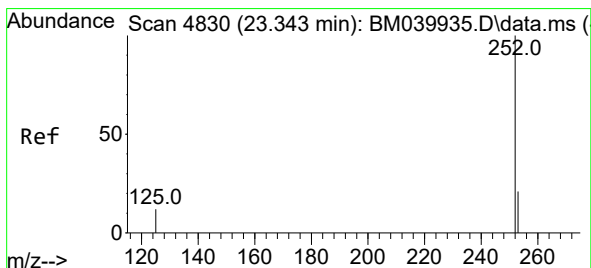
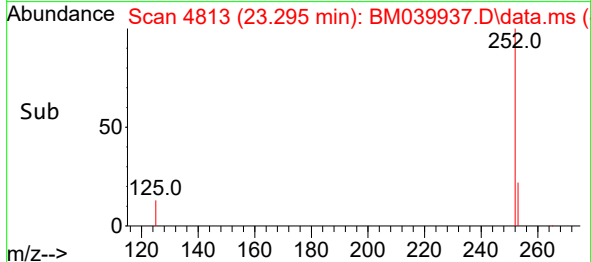
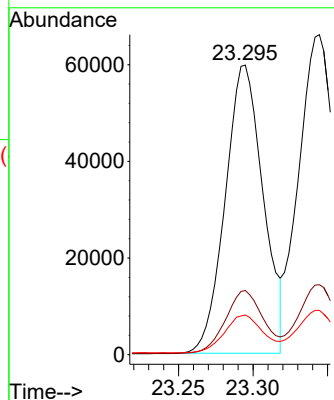
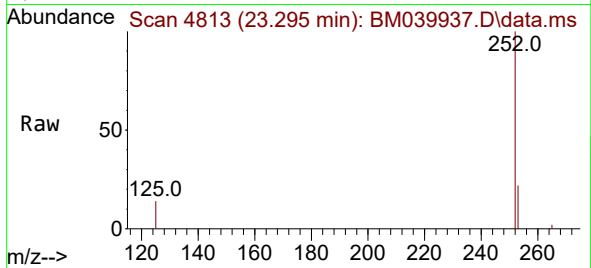




#24
Benzo(b)fluoranthene
Concen: 1.600 ng/ul
RT: 23.295 min Scan# 4813
Delta R.T. 0.002 min
Lab File: BM039937.D
Acq: 16 May 2023 16:49

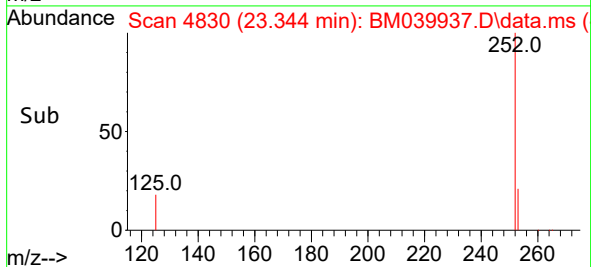
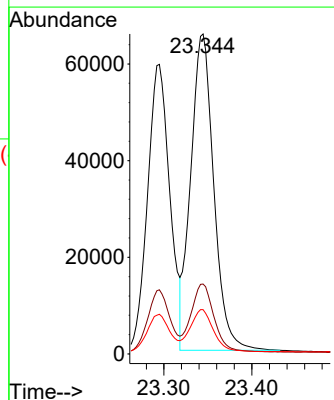
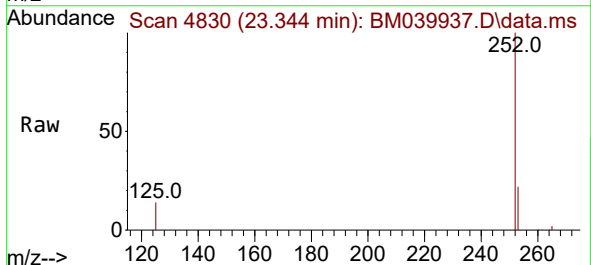
Instrument :
BNA_M
ClientSampleId :
SSTD1.6040

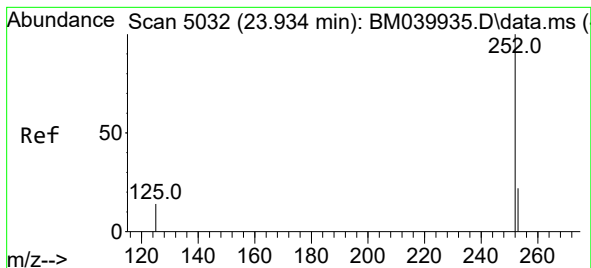
Tgt Ion:252 Resp: 105552
Ion Ratio Lower Upper
252 100
253 22.1 0.0 47.6
125 13.7 0.0 32.6



#25
Benzo(k)fluoranthene
Concen: 1.643 ng/ul
RT: 23.344 min Scan# 4830
Delta R.T. 0.002 min
Lab File: BM039937.D
Acq: 16 May 2023 16:49

Tgt Ion:252 Resp: 119419
Ion Ratio Lower Upper
252 100
253 21.8 18.4 27.6
125 13.9 12.9 19.3





#26

Benzo(a)pyrene

Concen: 1.682 ng/ul

RT: 23.935 min Scan# 5032

Delta R.T. 0.002 min

Lab File: BM039937.D

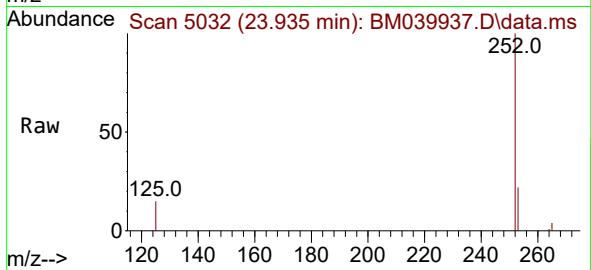
Acq: 16 May 2023 16:49

Instrument :

BNA_M

ClientSampleId :

SSTD1.6040



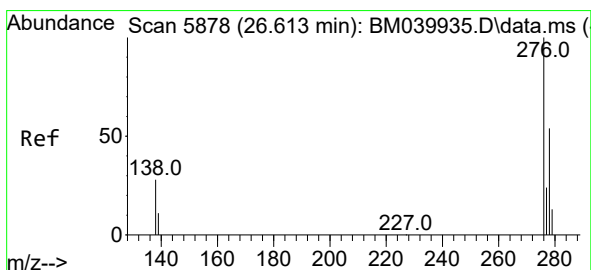
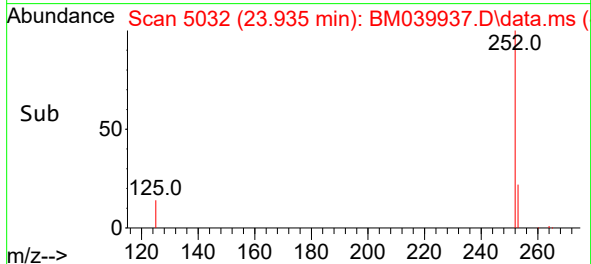
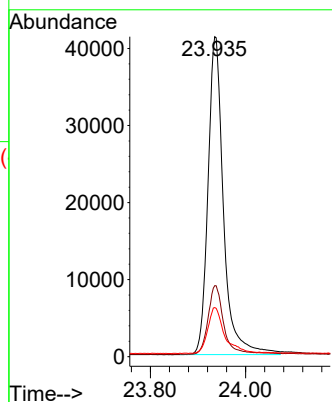
Tgt Ion:252 Resp: 93132

Ion Ratio Lower Upper

252 100

253 22.2 20.0 30.0

125 15.3 15.4 23.2#



#27

Indeno(1,2,3-cd)pyrene

Concen: 1.717 ng/ul

RT: 26.615 min Scan# 5878

Delta R.T. 0.002 min

Lab File: BM039937.D

Acq: 16 May 2023 16:49

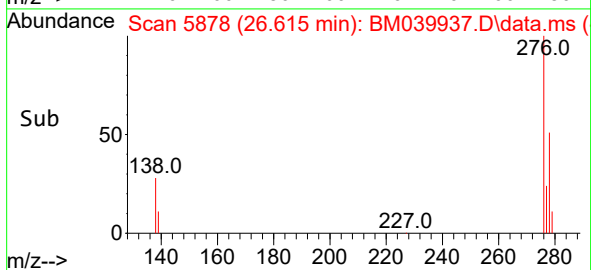
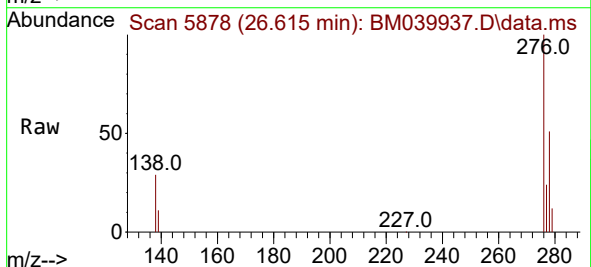
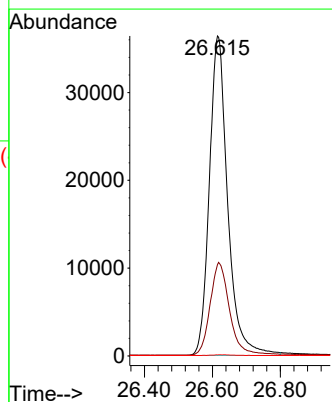
Tgt Ion:276 Resp: 136261

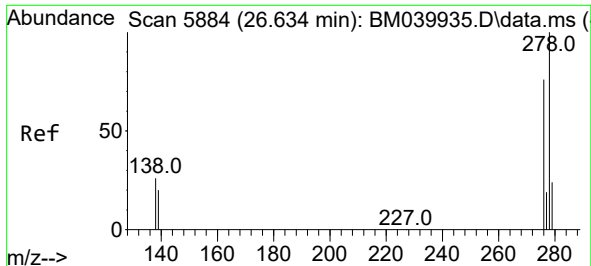
Ion Ratio Lower Upper

276 100

138 30.5 24.3 36.5

227 0.2 0.2 0.2

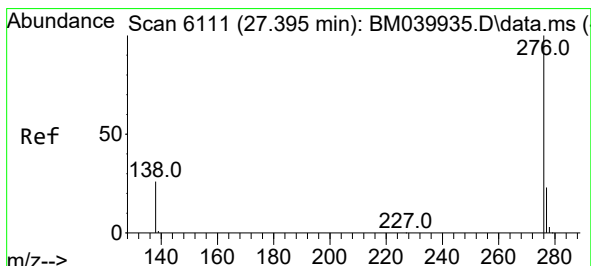
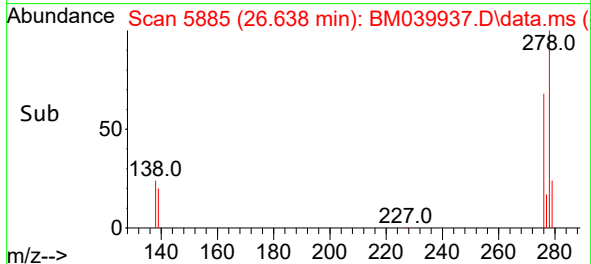
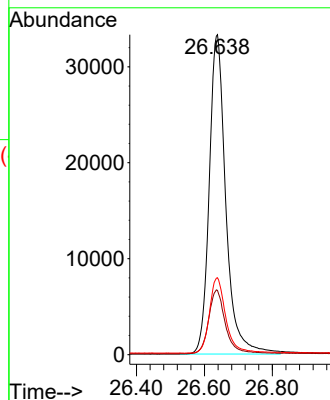
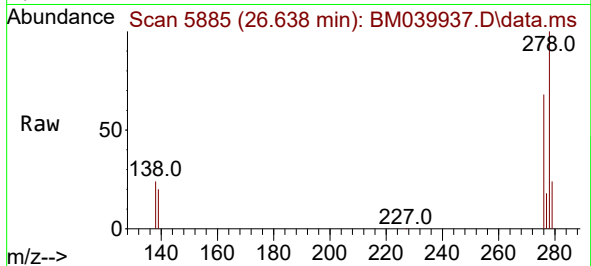




#28
Dibenzo(a,h)anthracene
Concen: 1.769 ng/ul
RT: 26.638 min Scan# 5885
Delta R.T. 0.005 min
Lab File: BM039937.D
Acq: 16 May 2023 16:49

Instrument :
BNA_M
ClientSampleId :
SSTD1.6040

Tgt Ion:278 Resp: 113098
Ion Ratio Lower Upper
278 100
139 20.1 16.9 25.3
279 24.0 21.4 32.0



#29
Benzo(g,h,i)perylene
Concen: 1.639 ng/ul
RT: 27.400 min Scan# 6112
Delta R.T. 0.005 min
Lab File: BM039937.D
Acq: 16 May 2023 16:49

Tgt Ion:276 Resp: 115400
Ion Ratio Lower Upper
276 100
138 26.3 22.4 33.6
277 24.0 19.5 29.3

